REMARKS

By the present response, Applicant has amended claims 1-12, 14-16 and 19-22 to further clarify the invention. Claims 1-24 are pending in this application. Reconsideration and withdrawal of the outstanding rejections and allowance of the present application are respectfully requested in view of the following remarks.

In the Office Action, claims 1 and 4-7 have been rejected under 35 U.S.C. § 102(b) as being anticipated by (6,134,308) Fallon et al. Claims 2 and 3 have been objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 8-24 have been allowed.

Allowable Subject Matter

Applicant thanks the Examiner for indicating that claims 2 and 3 would be allowable if rewritten in independent form including all of the limitations of the base claims and any intervening claims, and for allowing claims 8-24.

35 U.S.C. § 102 Rejections

Claims 1 and 4-7 have been rejected under 35 U.S.C. § 102(b) as being anticipated by Fallon et al. Applicant respectfully traverses these rejections.

Fallon et al. discloses a telephone system with a caller ID logging feature that includes a plurality of telephone stations which share a plurality of telephone lines connected to the

telephone system. Each one of the plural telephone lines is associated with one or more of the telephone stations. A CPU monitors the incoming calls on the telephone lines connected to the telephone system, and also receives caller ID information from the central office of the telephone service provider. For unanswered incoming calls and answered calls which are to be stored, the CPU stores the associated caller ID information in a memory as a caller ID record including data indicating the telephone lines on which the incoming call was received. The stored caller ID records for each telephone line are accessible for telephone stations that are associated with that telephone line.

Regarding claims 1, 4 and 7, Applicant submits that Fallon et al. does not disclose or suggest the limitations in the combination of each of these claims. For example, the Examiner asserts that Fallon et al. discloses an ATC circuit for converging with an exchange in the PBX connected to the exchange, at col. 4, lines 2-5. However, these portions merely disclose that a telephone system is connected to a plurality of telephone lines from a central office of a telephone service provider to which the user or owner of the telephone system subscribes. This is not an ATC circuit for converging with an exchange in the PBX connected to the exchange, as recited in the claims of the present application. The cited portions of Fallon et al. merely disclose that a telephone system is connected to a central office via a plurality of telephone lines.

Moreover, the Examiner asserts that Fallon et al. discloses a SLC circuit for transmitting CID and/or data by converging with a subscriber line connected to each port, at col. 4, lines 17-

29. However, these portions merely disclose details of the incoming caller line ID information typically provided by the central office (e.g., caller ID name, number, date/time), and information generally stored with each record. This is not a SLC circuit for transmitting CID and/or data by converging with a subscriber line connected to each port, as recited in the claims of the present application. These potions merely relate to incoming caller line ID information and what information is stored in each record. These portions do not relate at all to a SLC circuit.

Further, the Examiner asserts that Fallon et al. discloses a control circuit for controlling a CID service for the analog trunk and the subscriber line circuits, and a data path control circuit for controlling data transmission through a data path between the ATC circuit and the SLC circuit, at col. 4, lines 8-12. However, these portions merely disclose that the telephone lines are connected to a CPU, that the CPU is connected to telephone stations, that the telephone stations share the telephone lines and that the telephone system also includes a memory connected to the CPU. However, this is not a control circuit for controlling a CID service for the analog trunk and the subscriber line circuits, or a data path control circuit for controlling data transmission through a data path between the ATC circuit and the SLC circuit, as recited in the claims of the present application. As noted previously, Fallon et al. does not disclose or suggest an ATC circuit or a SLC circuit. Further, the cited portions of Fallon merely disclose the interconnections between the CPU, telephone system, telephone stations and telephone lines.

Moreover, the Examiner asserts that Fallon et al. discloses a CID service circuit that includes a CID and signal detecting circuit and a CID and signal transmitting circuit that each perform digital signal processing on the CIDs and signals, and a signal transmitting/detecting circuit for performing signal transmitting and/or detecting through the data path, at col. 5, lines 2-16. However, these portions of Fallon et al. merely disclose that the detector temporarily stores ICLID information received in a temporary register in the CPU, and that if the call is answered, the CPU deletes the information from the temporary register but if the call remains unanswered then the CPU stores the ICLID record from the temporary register to an empty record in the memory. This is not a CID service circuit including a CID and signal detecting circuit and a CID and signal transmitting circuit that each perform digital signal processing on the CIDs and signals, as recited in the claims of the present application. These portions of Fallon et al. merely relate to storing ICLID information in a record and deleting the record or storing the record in memory based on whether the call has been answered or not. Further, these portions do not disclose or suggest a signal transmitting/detecting circuit for performing signal transmitting and/or detecting through the data path.

Further, col. 4, lines 30-50 do not disclose or suggest a switching circuit connecting the data path between the CID service circuit and the ATC and SLC circuits and for selectively switching the data path between the signal transmitting/detecting circuit and the CID service circuit, as recited in the claims of the present application.

In addition, the Examiner asserts that Fallon et al. discloses at col. 4, lines 7-29, a CID transmitting circuit for transmitting the CID to an affected receiver terminal through the highway as the data path, and a CID detection memory for assigning a memory area to each of subscriber ports of the SLC circuit and storing the signal and/or the CID for a corresponding port, and a CID transmitting memory for storing a system signal and/or a CID in each port, in order to transmit a predetermined CID to an affected receiver terminal when a ring signal is transmitted to the affected receiver terminal, and a local control circuit for controlling CID transmission to a corresponding port in the SLC circuit through a system bus by reading the signal and/or the CID of each port from the CID detection memory. However, as noted previously, these portions merely disclose the interconnections between the CPU, telephone lines, telephone stations, etc., the ICLID information typically provided by the CO for each call, and information stored with each record. These portions do not disclose or suggest the above limitations in the claims of the present application. Further, col. 5, lines 54-col. 6, line 15 does not disclose or suggest transmitting all or part of the stored CID to a terminal through the switching circuit and/or a subscriber line convergency circuit and displaying the CID on the terminal, as recited in the claims of the present application.

Regarding claims 5 and 6, Applicant submits that these claims are dependent on independent claim 4 and, therefore, are patentable at least for the same reasons noted previously regarding this independent claim.

Accordingly, Applicant submits that Fallon et al. does not disclose or suggest the limitations in the combination of each of claims 1 and 4-7 of the present application. Applicant respectfully requests that these rejections be withdrawn and that these claims be allowed.

CONCLUSION

In view of the foregoing amendments and remarks, Applicant submits that claims 1-24 are now in condition for allowance. Accordingly, early allowance of such claims is respectfully requested. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, Frederick D. Bailey, at the telephone number listed below.

To the extent necessary, a petition C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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